

# BLACKBOX 610R

## ELECTRONICS SET-UP SHEET

Voltage input:	2S LiPo
On resistance (Ω)	0.00043
Continuous current (A)	160
Dimensions (mm)	38.5 x 36.9 x 19.5
Weight w/o wires & fan (g)	45
Motor limit	4.5T
BEC	6.0 - 7.4V / 5A
Fan	Optional

DRIVER: Brent Thielke

EVENT: Clash of Champions

TRACK: Hoosier RC

DATE: January 2024

VEHICLE: RC10B7

CONDITIONS: Indoors, dirt, very high grip, large

BATTERY: #27382 Reedy Zapper 6400

TEMP: N/A

### ESC INFO

FIRMWARE: 11858509

CAPACITOR TYPE: Default

FAN: #27028 Reedy 7mm

WIRE SIZE: 13 AWG

### BRAKE

1A DRAG BRAKE: 14%

1B BRAKE STRGTH: 75%

1C INIT BRAKE: =Drag Brake

1D BRAKE FREQ: 3KHz

1E BRAKE PUNCH: Level 4

1F BRAKE MODE: Traditional

### THROTTLE

3A PUNCH CTRL: Level 11

3B INIT THROTTLE: 2%

3C DRIVE FREQ: 12KHz

3D DEADBAND: 6%

3E CURRENT LIMIT: 100%

### MOTOR POWER

EXPERT

4A BT SOFT PWR: 0 deg

4B BT SOFT RNG: 25%

4C COAST VALUE: 0%

4D BOOST TIMING: 0 deg

4E BOOST TIM ACT: RPM

4F BOOST ST RPM: 5000

4G BOOST END RPM: 20000

4H TURBO TIMING: 0deg

4J TURBO DELAY: 0.05sec

4K SLEW RATE: 3deg/0.1s

4L RELEASE RATE: 20deg/0.1s

STANDARD

5A TIMING LEVEL: N/A

### RADIO SETTINGS

THROTTLE EPA: Set @ 100

BRAKE EPA: Set @ 100

THROTTLE EXPO: 0%

### MISC CONTROL

6A RUN MODE:  F/B  F/B/R

6B REVERSE PWR:  25%  50%  75%  100%

6C BATT CUTOFF:  NONE  3.2V/CELL  3.4V/CELL

6D ESC TEMP CUT:  OFF  221F/105C  257F/125C

6E MOT ROTATION:  NORMAL  REVERSE

6F BEC VOLTAGE: 6.0 V

### MOTOR SETTINGS

MOTOR: Reedy M4

WIND: #27490 7.5T DE

TIMING: 20\*

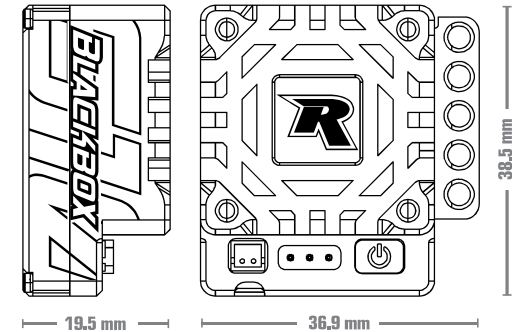
ROTOR: #27447 Reedy 12.5 mm

FDR/ROLLOUT: 21T / 75T

### MISCELLANEOUS

SERVO: #27119 Reedy RT1705A

CHARGER: #27203 Reedy 1416-C2L



### NOTES:

Throttle Dual Rate = 100%  
Brake Dual Rate = 84%



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